ECS Configuration Change Request

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1. Originator Robert Cole	2. Log Date: **03/10/03**	3. CCR #: **03-0164**	4. Rev:	5. Tel: 301.925.0799	6. Rm #: 2110C	7. Dept. SE/HW

8. CCR Title: Upgrade Brocade Firmware at EDC

9. Originator Signature/Date **Robert Cole /s/ 03/10/03**	10. Class **II**	11. Type: **CCR**	12. Need Date: 3/13/03

13. Office Manager Signature/Date Randy Haynes /s/ 03/10/03	14. Category of Change: Update ECS Baseline Doc.	15. Priority: (If "Emergency" fill in Block 27). Routine

16. Documentation/Drawings Impacted *(Review and submit checklist):* N/A	17. Schedule Impact:	18. CI(s) Affected: SAN

19. Release Affected by this Change: N/A	20. Date due to Customer:	21. Estimated Cost: None - Under 100K

22. Source Reference: ☐NCR (attach)   ☐Action Item   ☐Tech Ref.   ☐GSFC   ☒Other:
NCR ECSed 35950

23. Problem: (use additional Sheets if necessary)
Fibre channel switch firmware may be responsible for data corruption documented in NCR ECSed35950.

24. Proposed Solution: (use additional sheets if necessary)
Update the firmware levels of the Brocade SAN switches to 2.6.0e, the latest STK certified version.
See next sheet for installation instructions.
File checksum:
483860272   3638660 brocade_firmware_v2.6.0e

25. Alternate Solution: (use additional sheets if necessary)

26. Consequences if Change(s) are not approved: (use additional sheets if necessary)
Data corruption will continue.

27. Justification for Emergency (If Block 15 is "Emergency"):

28. Site(s) Affected: ☐EDF ☐PVC ☐VATC ☒EDC ☐GSFC ☐LaRC ☐NSIDC ☐SMC ☐AK ☐JPL
☐EOC ☐IDG Test Cell ☐Other

29. Board Comments:	30. Work Assigned To:	31. CCR Closed Date:

32. EDF/SCDV CCB Chair (Sign/Date):	**Disposition:** Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS

33. M&O CCB Chair (Sign/Date): **Gary Gavigan /s/ 3/11/03**	**Disposition:** <mark>Approved</mark> App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS

34. ECS CCB Chair (Sign/Date):	**Disposition:** Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ESDIS

CM01JA00 Revised 8/2/02   ECS/EDF/SCDV/M&O

ADDITIONAL SHEET

CCR #:   **Rev:** **Originator:**

Telephone: **Office:**

Title of Change:

Firmware upgrade instructions

Perform the following steps for each switch.1. Copy the firmware file to a location vaccessible from e0sas01
2. Execute the switchDisable command on the fibre channel switch
3. Execute the firmwareDownload command and respond to the prompts using the path to the firmware file, the FTP protocol, and the private IP address of p0sas01.
4. When the firmware download is complete, execute the command fastBoot to reboot the switch.
5. After the switch boots, execute the command switchEnable to re-enable the switch.